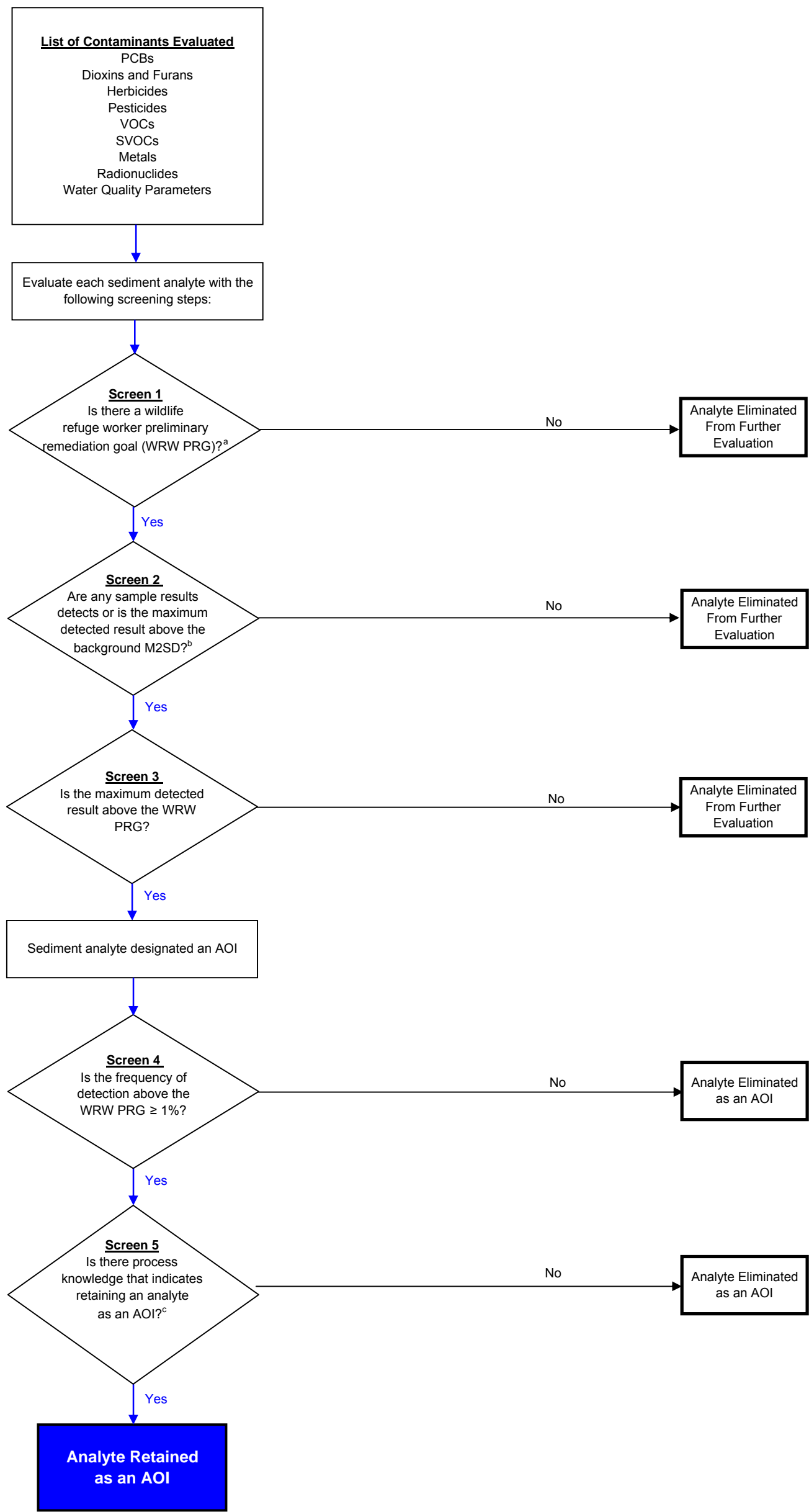


Figure 16  
Sediment AOI Screening Process



**Notes:**

<sup>a</sup>Human health WRW PRG is based on a target excess carcinogenic risk of  $1 \times 10^{-6}$  or a hazard quotient (HQ) of 0.1.

<sup>b</sup>Background mean + two standard deviation (M2SD) values used to evaluate sediment nature and extent were developed as part of the Comprehensive Risk Assessment (DOE 2005). For constituents (organic compounds, some inorganic, and some radionuclides) that do not have background values, it was assumed that detection of these constituents indicates their presence in the environment.

<sup>c</sup>DOE recognizes that process knowledge at RFETS is not perfectly known. However, process knowledge alone is not used to retain or eliminate a constituent as an AOI. Other analyte criteria such as its areal distribution relative to RFETS activities, its proximity to contaminant sources, accelerated actions performed to remove contaminant source(s), and its natural occurrence and distribution in the environment are also considered when evaluating whether to retain or eliminate a constituent as an AOI.